LOWARA
a xylem brand

66SV3/2AG150T/E

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pumpe type	Single pumps as parallel circuit			Fluid		Glykol Dowcal 20
Available system NPSH	m	0		Operating temperature t A	°C	-3
Nominal flow	l/s	30		pH-value at t A		7
Nominal head	m	55		Density at t A	kg/dm³	1.06
Static head	m	0		Kin. viscosity at t A	mm²/s	27.62
Inlet pressure	bar	0.1		Vapor pressure at t A	bar	0.00575
Environmental temperature	°C	20		Solids		0
				Altitude	m	0

Pump data

Make	Lowara				Nominal	l/s	31 (15.5)
Speed	1/min	2900		Flow	Max-	l/s	23.2
Number of stages		3			Min-	l/s	
Max. casing pressure	bar				Nominal	m	58.8
Max. working pressure	bar	8.3		Head	at Qmax	m	34.6
Head H(Q=0)	m	78			at Qmin	m	78.4
Weight	kg	185		Shaft power		kW	28.7 (14.4)
Max.	mm	149		Max. shaft power		kW	29.5
Impeller R designed	mm	149		Efficiency		%	66.1
Min.	mm	149		NPSH 3%		m	2.6

Pump Materials

Pump body	Cast iron
Lower support	Cast iron
Impeller	Stainless steel / AISI 316L
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 431
Adapter	Cast iron
Wear ring	Technopolymer PPS
Coupling	Cast iron
Upper head	Cast iron
SEAL HOUSING	Cast iron
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Bushing for diffuser	Carbon
Fill / drain plugs	Stainless steel / AISI 316

Shaft Seal

e-SV Mechanical seal	Roten
e-SV - Uniten (-30 / +120 °C)	
1 - Rotating part	Silicon Carbide
2 - Stationary part	Resin impregnated carbon
3 - Elastomers	EPDM
4 - Springs	AISI 316
5 - Other components	AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	400 V	Speed	2930 1/min	Insulation class	F
Specific design	IE3 3ph Flange Motor - Premium Efficiency			Frame size	160 M	Colour	RAL 5010
Type	3MAS 160 M B5 15 kW						
Rated power	15 kW	Degree of protection	IP55				
Electric current	26.6 A						

Remarks:

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Performance curve

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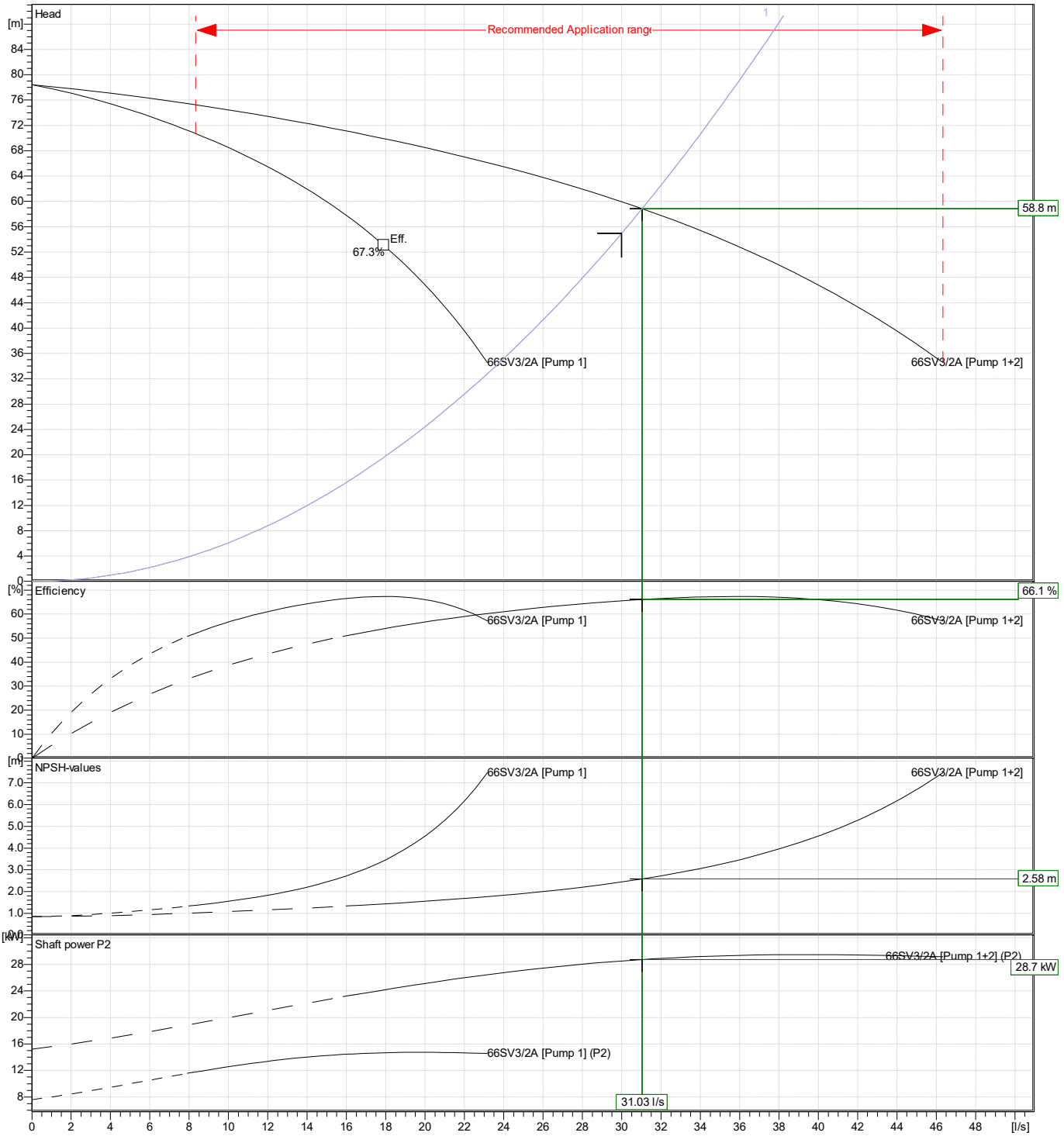
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	30 l/s	Flow	31 l/s	Impeller R	149 mm
Head	55 m	Head	58.8 m	Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 1/min

Power datas refered to:
Glykol Dowcal 20 [100%] ; -3°C; 1.06kg/dm³; 27.6mm²/s
Performance according to ISO 9906:2012 – Grade 3B



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Dimensions

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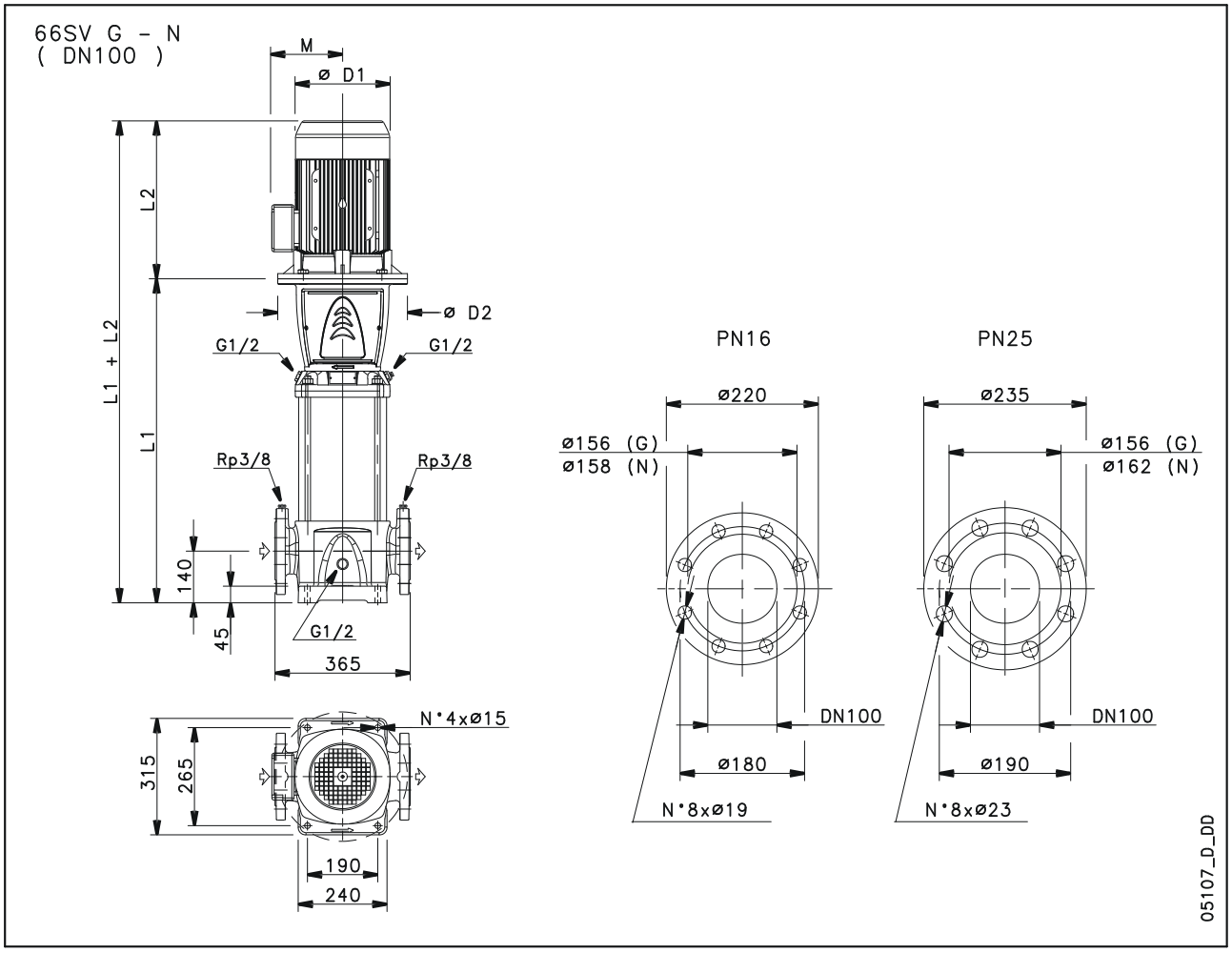
Drawing



Dimensions mm

D1 D2 L1 L2 M	321 350 789 499.5 252					Weight 200 kg